## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S7	160	(human adj IL-7) or (human adj IL7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 07:45
S8	12	S7 and HGF	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 15:09
S10	6	"5637323"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 06:40
S18	19401	IL-7 or IL7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 07:30
S19	10	S18 and (HGF same \$dimer) and Fc and (albumin or HSA)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 07:35
S20	1	S19 and @ay<="2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 07:38
S21	3407	S18 and Fc and (albumin or HSA)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:43

## **EAST Search History**

S29	160	(human adj IL-7) or (human adj IL7) or rh-Il7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2007/08/28 07:46
S30	87	S29 and @ay<="2002"	IBM_TDB US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2007/08/28 09:04
S31	2	S30 and (IL-2 or IL2) and (hepatitis same virus) and adjuvant\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 07:57
S32	74	S30 and (IL-2 or IL2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 08:40
S34	65	S32 and (fc or albumin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 08:51
S36	5	S32 and (hepatitis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:00
S37	3203	Fc and albumin and (conjugate or fusion) and IL-7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:02

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## **EAST Search History**

S38	5	S37 and (hepatitis same virus) and (HGF same IL-7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:03
S41	565	(IL-7 or IL7) same (albumin or HSA or Fc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 14:28
S43	206	S41 and @ay<="2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:38
S45	2	"20020058791"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 13:29
S49	161	S18 same (conjugat\$ or fusion) same (Fc or albumin or HSA)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 09:39
S57	3	"6713053"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 14:59

(FILE 'HOME' ENTERED AT 09:20:12 ON 29 AUG 2007)

FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS, PCTFULL' ENTERED AT 09:20:29 ON 29 AUG 2007 19418 S IL-7 OR IL7 OR (INTERLEUKIN 7) L12067 S L1 AND DISULFIDE L21886 S L2 AND (HGF OR FC OR ALBUMIN) L3 2359 S L1 AND ((CONJUGAT? OR FUSED OR FUSION) (S) (FC OR IMMUNOGLOBU . 2067 S L1 AND L2 1578 S L2 AND L4 L6 400 S L6 AND HGF L7 318 S L7 AND PY<=2002 L8 318 DUP REM L8 (0 DUPLICATES REMOVED) L9 5 S L1 AND ((CYS2 OR C2) (S) (CYS92 OR C92) (S) (CYS34 OR C34) (S L10 4 DUP REM L10 (1 DUPLICATE REMOVED) L11438 S MORRE M/AU OR ASSOULINE B/AU OR CORTEZ P/AU OR GREGOIRE A/AU L12 L13 7 S L1 AND L12 7 DUP REM L13 (0 DUPLICATES REMOVED) L14

=>

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AC
   01-JAN-1990, integrated into UniProtKB/Swiss-Prot.
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     30-MAY-2006, entry version 65.
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     Goodwin R.G., Lupton S., Schmierer A., Hjerrild K.J., Jerzy R.,
     Clevenger W., Gillis S., Cosman D., Namen A.E.;
RA
      "Human interleukin 7: molecular cloning and growth factor activity on
RT
     human and murine B-lineage cells.";
     Proc. Natl. Acad. Sci. U.S.A. 86:302-306(1989).
RL
RN
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     NUCLEOTIDE SEQUENCE.
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     MEDLINE=90229755; PubMed=2329282;
     Lupton S.D., Gimpel S., Jerzy R., Brunton L.L., Hjerrild K.A.,
     Cosman D., Goodwin R.G.;
RA
      "Characterization of the human and murine IL-7 genes.";
RT
RL
     J. Immunol. 144:3592-3601(1990).
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RΡ
     NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
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     MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RX
     Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
..RA
     Klausner.R.D., Collins.F.S., Wagner.L., Shenmen.C.M., Schuler G.D.,
     Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
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RA
ŔA
     Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
     Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA
     Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA
     Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
     Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA
     Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA
      Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
     Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA
     Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA
RA
     Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
RA
      Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT
      "Generation and initial analysis of more than 15,000 full-length human
RT
      and mouse cDNA sequences.";
      Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN
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RΡ
     DISULFIDE BONDS, AND MASS SPECTROMETRY.
     MEDLINE=98070497; PubMed=9407080; DOI=10.1074/jbc.272.52.32995;
      Cosenza L., Sweeney E., Murphy J.R.;
RA
      "Disulfide bond assignment in human interleukin-7 by matrix-assisted
RT
      laser desorption/ionization mass spectroscopy and site-directed
      cysteine to serine mutational analysis.";
RT
RL
     J. Biol. Chem. 272:32995-33000(1997).
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RP
      3D-STRUCTURE MODELING.
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      MEDLINE=97015912; PubMed=8862549;
      Kroemer R.T., Doughty S.W., Robinson A.J., Richards W.G.;
RA
RT
      "Prediction of the three-dimensional structure of human interleukin-7
RT
     by homology modeling.";
RL
      Protein Eng. 9:493-498(1996).
RN
      3D-STRUCTURE MODELING.
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      MEDLINE=20306974; PubMed=10850801;
RX
      Cosenza L., Rosenbach A., White J.V., Murphy J.R., Smith T.F.;
RA
RT
      "Comparative model building of interleukin-7 using interleukin-4 as a
      template: a structural hypothesis that displays atypical surface
RT
      chemistry in helix D important for receptor activation.";
RT
      Protein Sci. 9:916-926(2000).
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-!- FUNCTION: Hematopoietic growth factor capable of stimulating the
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         proliferation of lymphoid progenitors. It is important for
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CC
     -!- INTERACTION:
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CC
         P16871:IL7R; NbExp=3; IntAct=EBI-80516, EBI-80490;
CC
     -! - SUBCELLULAR LOCATION: Secreted protein.
CC
     -!- SIMILARITY: Belongs to the IL-7/IL-9 family.
CC
     Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
CC
     Distributed under the Creative Commons Attribution-NoDerivs License
CC
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     EMBL; J04156; AAA59156.1; -; mRNA.
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     GO; GO:0043066; P:negative regulation of apoptosis; ISS.
     GO; GO:0009887; P:organ morphogenesis; TAS.
DR
     GO; GO:0030890; P:positive regulation of B cell proliferation; ISS
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